

Work Order ID 115605

April-04-14 10:14:27 AM

115605

Page 1

Item ID: D3551-11

Revision ID:

Item Name: Hook And Loop Tie

Start Date: 4/04/14 Start Qty: 20.00

20

Required Date: 4/04/14 Req'd Qty: 20.00

20

Reference:

Approvals: Process Plan: *RP*Date: *14-04-17*

QC: _____

Date: _____

Sequence ID/
Work Center IDOperation
Description

Tooling: _____

Date: _____

Draw Nbr Revision Nbr

D3551 Rev A

100

100

Purchasing

PURCHASING

Purchasing

Memo

Issue P/O: *26691* Purchase Part Number: 6605K56Supplier: Mc
Master CarrCertificate of conformity is required

110

110

Packaging

Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

Ensure certificate of conformity is attached

120

120

QC

Quality Control

QC6- Inspect dimensions to drawing

Memo

Accept

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Run Start

NR1

Stop

NR2

Tooling: _____

Date: _____

SPC (Y/N): _____

Date: _____

Set Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

0.00

0.00

0.00

0.00

0.00

DAS
27
9.89
M4/9*14-04-17**14/4/15 (20)**20*

DQA: _____ Date: _____

Date:



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Date:

Work Order update only

Work Order Update Only				Work Order Update Only									
Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION			AGAINST DEPARTMENT/PROCESS						
				Rework	Scrap	Use-as-is	Skid-tube	Crosstube	Water Jet	Engineering			
							Machining	Small Fab	Prod. Eng. Coor.	Quality			
							Thermoforming	Finishing	Rec/Store/Packaging	Other			
							Large Fab	Composite	Supplier				
Suspected		Unapproved											
Root Cause		Date	Step	Qty	Description of work order update or non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector	
Design													
Doc/Data													
Equip/Tooling													
Handling/Pre													
Material													
Operator													
Offset/Setup													
Process													
Supplier													
Training													
Transport													
Unapproved													
FAULT CATEGORY													
Landing Gear				General									
				Bending	Bend		Folio/Program		Outside Dimensions		Pressure/Forced		
				Centre Not Concentric	BOM/Route		Grain		Over/Under tolerance		Set-up		
				Cracks	Broken/Damage/Defect		Hardware		Part Incorrect		Temperature/Cure		
				Crimp/Kink/Ripple/Wave	Burrs		Inspection Incomplete/Unqualified		Part Lost/Missing		Weld		
				Cuffs	Contamination		Instructions Incomplete/Unclear		Part Moved		Wrong Stock Pulled		
				Crushing	Countersink		Misaligned/off center		Positioned Wrong				
				Heat Treat	Cut Too Short		Mislabeled		Power Loss/Surge		Other		
				Inspection Strip in Tube	Drawing		Misread						
				Marks/Chatter	Drill Holes		Off-set						
				Turning Sequence	Finish		Out of Calibration						
				Wave/Twist in Tube	Fit/Function		Out of Sequence						

Work Order ID 115605

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115605

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Item ID: D3551-11

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: Hook And Loop Tie

Start Date: 4/04/14 Start Qty: 20.00 ***20***

Cust Item ID:

Required Date: 4/04/14 Req'd Qty: 20.00 ***20***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____

Tooling: _____ Date: _____

Run

Start

NR1

QC: _____ Date: _____

SPC (Y/N): _____ Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
Description

130

Identify as per dwg & Stock Location: ST246ASet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

20X

DAS

28

9.65

APR 09 2014

0.00

130

Packaging

Packaging

Memo

140

QC21- Final Inspection - Work Order Release

0.00

0.00

140

QC

Quality Control

Memo

14/4/10U4W.10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only

Work Order: _____	DISPOSITION	AGAINST DEPARTMENT/PROCESS							
Part No. _____	Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
NCR No. _____	Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
	Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
	Suspected Unapproved <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center; padding-bottom: 5px;">General</td></tr> <tr> <td style="width: 25%; padding: 2px;"><input type="checkbox"/></td><td style="width: 25%; padding: 2px;">Bending</td><td style="width: 25%; padding: 2px;"><input type="checkbox"/></td><td style="width: 25%; padding: 2px;">Folio/Program</td></tr> <tr> <td><input type="checkbox"/></td><td>Centre Not Concentric</td><td><input type="checkbox"/></td><td>Grain</td></tr> <tr> <td><input type="checkbox"/></td><td>Cracks</td><td><input type="checkbox"/></td><td>Hardware</td></tr> <tr> <td><input type="checkbox"/></td><td>Crimp/Kink/Ripple/Wave</td><td><input type="checkbox"/></td><td>Inspection Incomplete/Unqualified</td></tr> <tr> <td><input type="checkbox"/></td><td>Cuffs</td><td><input type="checkbox"/></td><td>Instructions Incomplete/Unclear</td></tr> <tr> <td><input type="checkbox"/></td><td>Crushing</td><td><input type="checkbox"/></td><td>Misaligned/off center</td></tr> <tr> <td><input type="checkbox"/></td><td>Heat Treat</td><td><input type="checkbox"/></td><td>Mislabeled</td></tr> <tr> <td><input type="checkbox"/></td><td>Inspection Strip in Tube</td><td><input type="checkbox"/></td><td>Misread</td></tr> <tr> <td><input type="checkbox"/></td><td>Marks/Chatter</td><td><input type="checkbox"/></td><td>Off-set</td></tr> <tr> <td><input type="checkbox"/></td><td>Turning Sequence</td><td><input type="checkbox"/></td><td>Out of Calibration</td></tr> <tr> <td><input type="checkbox"/></td><td>Wave/Twist in Tube</td><td><input type="checkbox"/></td><td>Out of Sequence</td></tr> <tr> <td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td></tr> </table>	General				<input type="checkbox"/>	Bending	<input type="checkbox"/>	Folio/Program	<input type="checkbox"/>	Centre Not Concentric	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Cracks	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Crimp/Kink/Ripple/Wave	<input type="checkbox"/>	Inspection Incomplete/Unqualified	<input type="checkbox"/>	Cuffs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Crushing	<input type="checkbox"/>	Misaligned/off center	<input type="checkbox"/>	Heat Treat	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Inspection Strip in Tube	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Marks/Chatter	<input type="checkbox"/>	Off-set	<input type="checkbox"/>	Turning Sequence	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>	Wave/Twist in Tube	<input type="checkbox"/>	Out of Sequence								
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picklist Print

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Page 1

Work Order ID: 115605

115605

Parent Item: D3551-11

D3551-11

Parent Item Name: Hook And Loop Tie

Start Date: 4/04/14

Required Date: 4/04/14

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP Rev:A New Issue 06-09-27 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
6605K56		Purchased	No		110		Each	0.0000	1	20	**	4/4/14	20

6605K56

HOOK AND LOOP TIE

DQA:

Date:



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date:

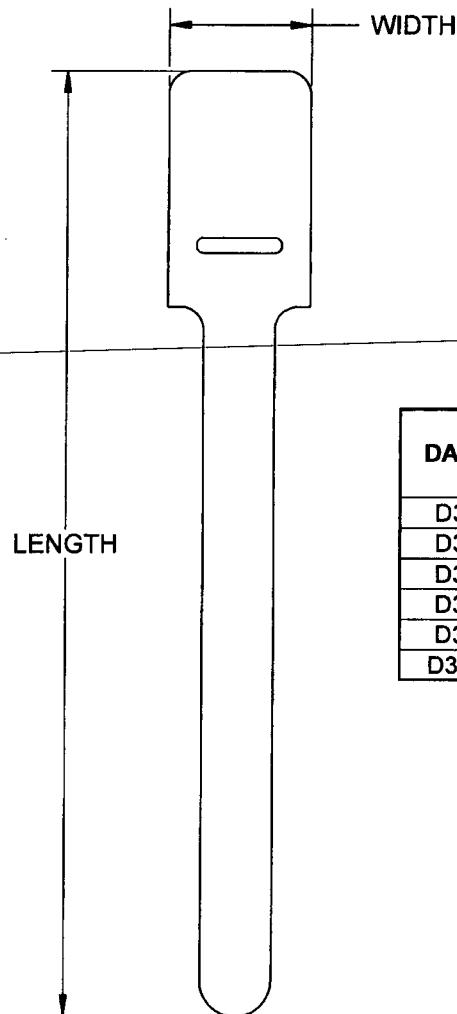
Work Order update only

Work Order: _____	DISPOSITION			AGAINST DEPARTMENT/PROCESS																					
Part No. _____	Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>																				
NCR No. _____	Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>																				
	Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>																				
	Suspected Unapproved <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																					
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Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function						<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence						<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/>									



DESIGN <i>CE</i>	DRAWN BY <i>CE</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED <i>GP</i>	APPROVED <i>TH</i>	DRAWING NO. D3551		
DATE 06.08.28		TITLE HOOK AND LOOP TIE		
REV	DATE			SCALE NTS
A	06.08.28		NEW ISSUE	

SPECIFICATION CONTROL DRAWING



DART P/N	LENGTH (in)	WIDTH (in)	MCMASTER-CARR P/N	SPEEDTECH P/N
D3551-1	6	1	6605K51	SW.75X6BK889
D3551-3	8	1	6605K52	SW.75X8BK889
D3551-5	11	1	6605K53	SW.75X11BK889
D3551-7	15	1.5	6605K54	SW1.5X15BK889
D3551-9	18	1.5	6605K55	SW1.5X18BK889
D3551-11	24	1.5	6605K56	SW1.5X24BK889

D3551-X HOOK AND LOOP TIE

MATERIAL: BLACK BACK-TO-BACK HOOK AND LOOP MATERIAL, FLAME-RETARDANT NYLON

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613-632 1053

PURCHASE ORDER

Purchase Order ID PO23691

Purchase Order Date 4/7/2014

PO Print Date 4/7/2014

Page Number 1 of 2

Order From : VU-MCM00
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Brigitte Golden
Vendor Phone	330 995 5500	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 10
Ship Via:	FedEx PI collect	Currency	USD
Ship Acct:		FOB	FCA – (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ CD Taxable	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments		Promise Date				
Delivery Comments						
	6605K56	HOOK AND LOOP TIE	4/9/2014 Yes	20.00 Each	\$2.78	\$55.56
	AS PER DWG:D3551 REV:A B115605		4/9/2014			
					Line Total:	\$55.56
	9610K18	GROMMET	4/9/2014 Yes	1.00 Each	\$13.31	\$13.31
	AS PER DWG:D3619 REV:A B115860		4/9/2014			
					Line Total:	\$13.31
	95606A170	Washer	4/9/2014 Yes	20.00 Each	\$0.09	\$1.72
	AS PER DWG: D3631 REV:A B115800		4/9/2014			

Note:

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
130-995-5500
tie.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Order Placed By
Chantal Lavoie

04/08/2014

McMaster-Carr Number
2247546-01

Line	Description	Ordered	Shipped			LNS A8
1	6605K56 Hook and Loop Cable Tie, Black Flame-Retardant Wrap Around, 24" L, 3/4" Width, Packs of 5 Your Part Number: AS PER DWG:D3551 REV:A B115605		4 Packs		3 - 125 - 11 43 - 39	4 PK
	Unit Price: \$13.89 Extended Price: \$55.56					
2	9610K18 Military Specification Grommet Kit, with Teeth Washer, Trade Size 2, 3/8" ID, 24 Grommets Your Part Number: AS PER DWG:D3619 REV:A B115860		1 Each		1 - 315	
	Unit Price: \$13.31 Extended Price: \$13.31					

Dart Aerospace Ltd

 EXP
INV
NAF

Lg

38x12x12


 4
4 tir

 FW1BSP:
04/08/20
08.12/10
437
Cycle 26
